

ABSTRACT OF THE DISCLOSURE

In a normal data reading, one of word lines and one of first and second dummy word lines are selected and data is read out through the access to selected regular memory cell and a reference cell. In a test mode,
5 each of word lines are turned to a non-select state and both of first and second dummy word lines are selected and by setting one of first and second reference voltages to a level different from a level during the normal data reading, data is read out through the access to the reference cells.